Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)			
	W	C	D	X(OC10)
ROCKY	1000	500	1000	5.4 - 8.4
MEDIUM	1100	600	1100	
LOOSE	1200	700	1200	

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 37°–45° STAY ANGLE

DRW.310-L.T. ONE STAY ASSEMBLY WITH 16MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

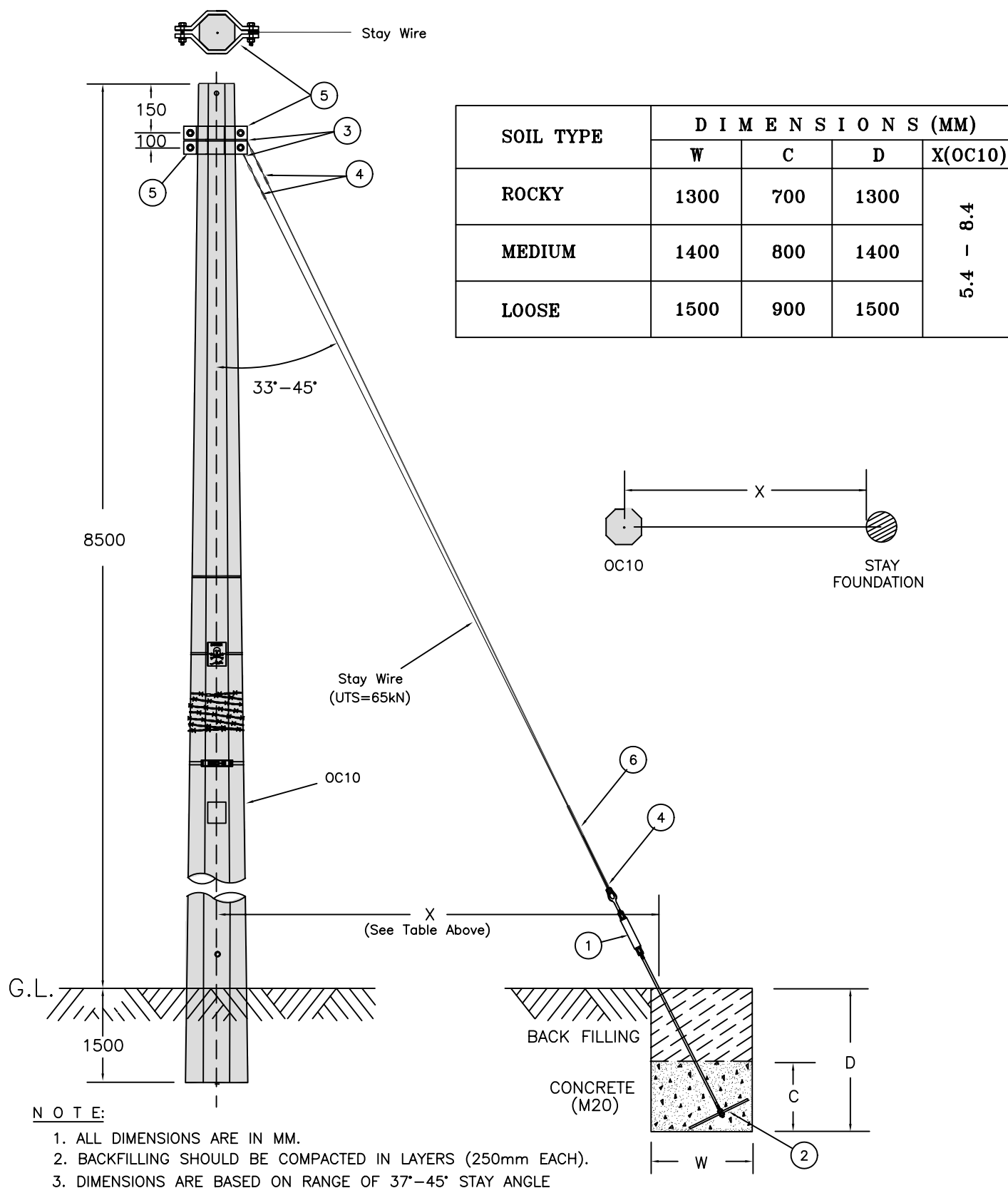
Dated:

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	1	Thimble Eye Anchor Rod, With Turn Buckle, 16mm Dia., 2.50 Meter Long	20-SDMS-02	Fig. 22
02	1	Steel Plate, H.D.G. 450x450x6mm with 18mm Dia. Hole	20-SDMS-02	Fig. 23
03	1	Guy Thimble for Stay Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	2	Preformed Stay Grip for 9.8mm Dia. Stay Wire, 840mm Lg, 5# Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 106mm	20-SDMS-02	Fig. 12
06	1	Stay Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28

DRW: 310A-L.T. ONE STAY ASSEMBLY WITH 16MM DIAMETER TURN BUCKLE ANCHOR ROD

SOIL TYPE	DIMENSIONS (MM)			
	W	C	D	X(OC10)
ROCKY	1300	700	1300	5.4 - 8.4
MEDIUM	1400	800	1400	
LOOSE	1500	900	1500	

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 37°–45° STAY ANGLE

DRW.311–L.T. TWO STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	1	Twin Eye Anchor Rod with Turn Buckle, 19mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	1	Steel Plate, H.D.G. 450x450x10mm with 22mm Dia. Hole	20-SDMS-02	Fig. 23
03	2	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	4	Preformed Guy Grip for 9.8mm Dia. Stay Wire, 840mm Lg, 5# Strands	20-SDMS-02	Fig. 26
05	2	Pole Band (Stay Clamp) of A/F 106mm	20-SDMS-02	Fig. 12
06	1	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28

DRW.311A-L.T. TWO STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)						
	W	C	D	X OC12S	X OC13S	X OC14S	X OC15S/D
ROCKY	1100	600	1100	6.3 - 9.8	7.0 - 10.8	7.6 - 11.8	8.3 - 12.8
MEDIUM	1200	700	1200				
LOOSE	1300	800	1300				

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSION ARE BASED ON RANGE OF 33°-45° STAY ANGLE

DRW.312-M.V.-S.C. ONE STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

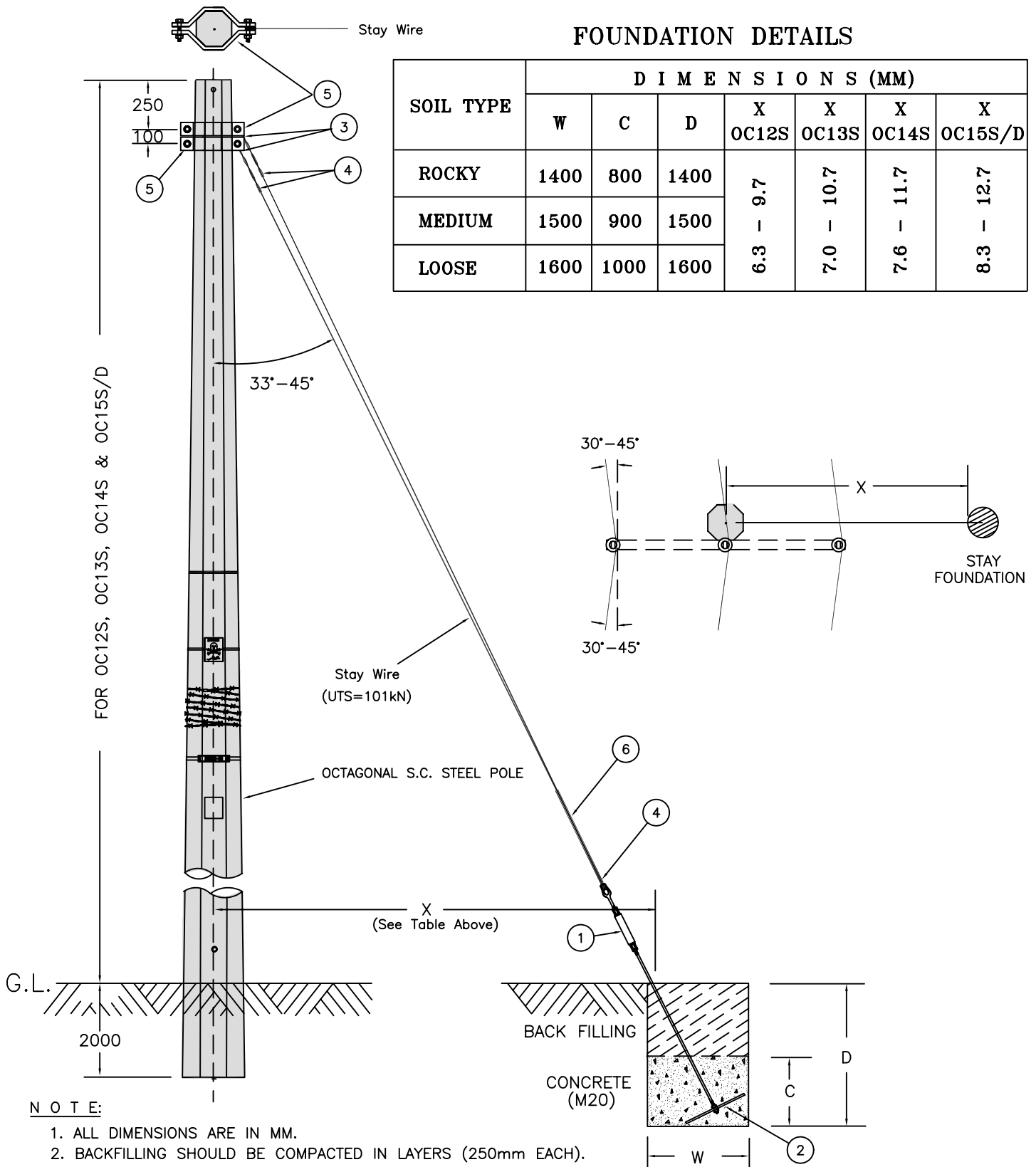
SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	1	Thimble Eye Anchor Rod with Turn Buckle, 19mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	1	Steel Plate, H.D.G. 450x450x10mm with 22mm Dia. Hole	20-SDMS-02	Fig. 23
03	1	Guy Thimble for Stay Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	2	Preformed Stay Grip for 9.8/12mm Dia. Stay Wire, 940mm Lg, 5# Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	1	Stay Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28

DRW.312A-M.V.-S.C. ONE STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)						
	W	C	D	X OC12S	X OC13S	X OC14S	X OC15S/D
ROCKY	1400	800	1400	6.3 − 9.7	7.0 − 10.7	7.6 − 11.7	8.3 − 12.7
MEDIUM	1500	900	1500				
LOOSE	1600	1000	1600				

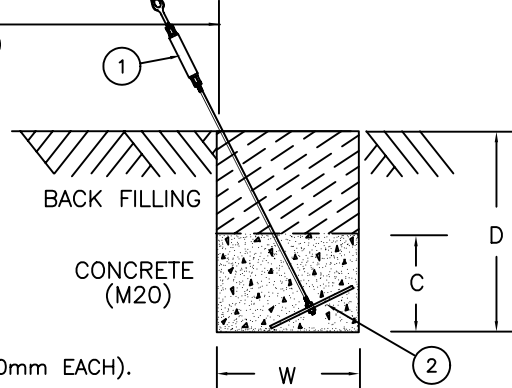
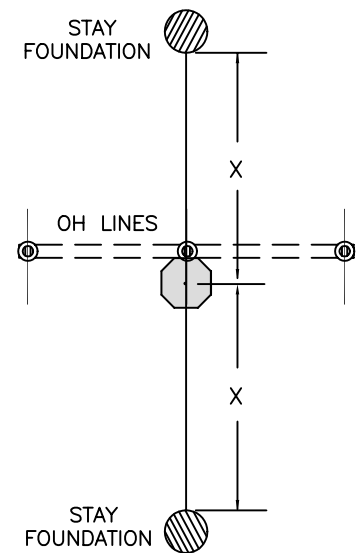
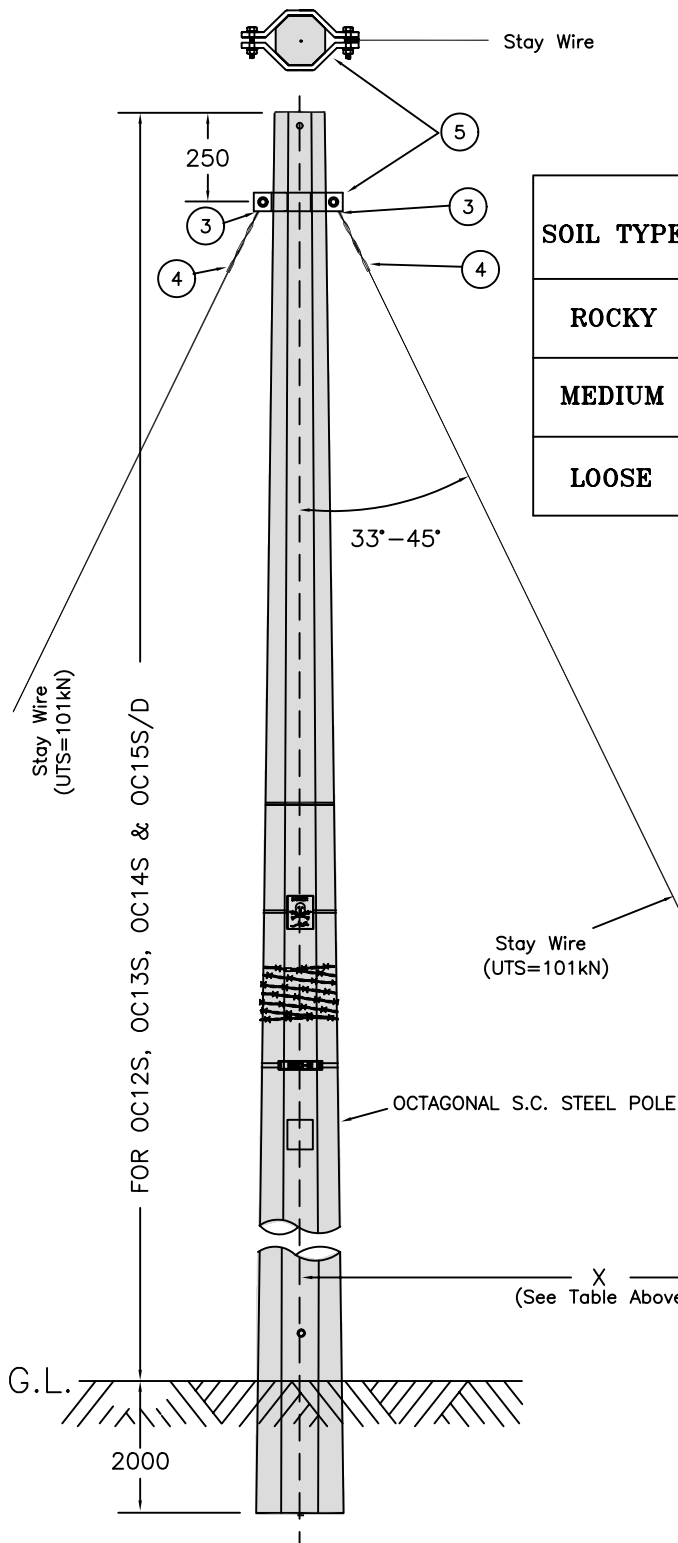
NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°−45° STAY ANGLE

DRW.313−M.V.−S.C. TWO STAY ASSEMBLY WITH 24MM DIAMETR TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	1	Twin Eye Anchor Rod with Turn Buckle, 24mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	1	Steel Plate, H.D.G. 450x450x10mm with 26mm Dia. Hole	20-SDMS-02	Fig. 23
03	2	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	4	Preformed Guy Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	2	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	1	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28

DRW.313A-M.V.-S.C. TWO STAY ASSEMBLY WITH 24MM DIAMETER TURN BUCKLE ANCHOR ROD

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)						
	W	C	D	X (OC12S)	X (OC13S)	X (OC14D)	X (OC15S/D)
ROCKY	1100	600	1100	6.3 - 9.8	7.0 - 10.8	7.6 - 11.8	8.3 - 12.8
MEDIUM	1200	700	1200				
LOOSE	1300	800	1300				

N O T E:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°-45° STAY ANGLE

DRW.314-M.V.-S.C. SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

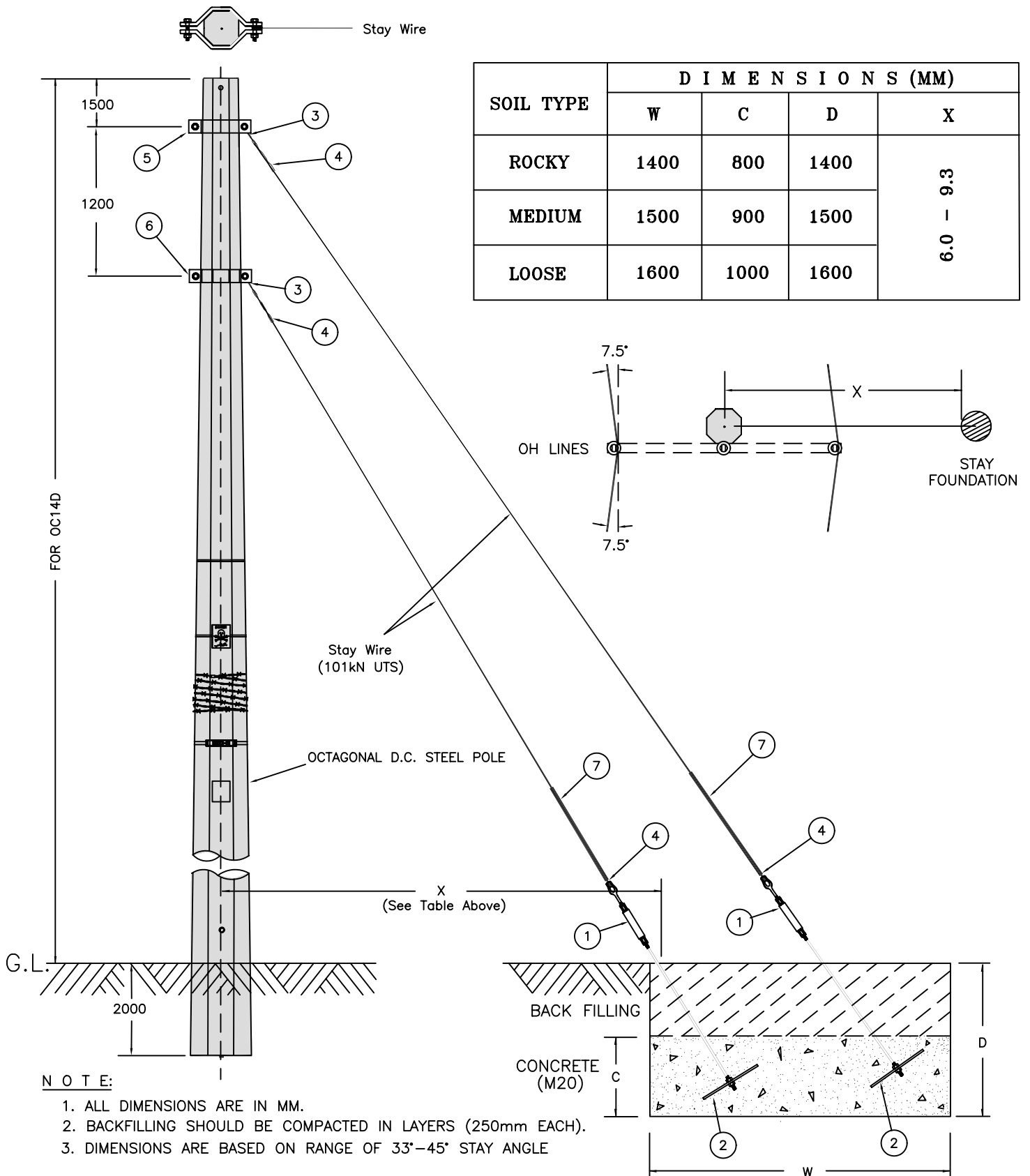
Dated: 26-04-2003

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	2	Thimble Eye Anchor Rod with Turn Buckle, 19mm Dia. 2.5 Meter Long	20-SDMS-02	Fig. 22
02	2	Steel Anchor Plate, H.D.G. 450x450x10mm with 22mm Hole	20-SDMS-02	Fig. 23
03	2	Guy Thimble for Stay Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	4	Preformed Stay Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	2	Stay Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28

DRW.314A-M.V.-S.C. SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD

SOIL TYPE	DIMENSIONS (MM)			
	W	C	D	X
ROCKY	1400	800	1400	6.0 – 9.3
MEDIUM	1500	900	1500	
LOOSE	1600	1000	1600	

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°–45° STAY ANGLE

DRW.315-OC14D, M.V.-D.C. ONE SET OF TWO STAYS ASSEMBLY W/19MM DIA. TURN BUCKLE ANCHOR ROD FOR LIGHT ANGLE (6°-15°) STRUCTURE

ALL DIMENSIONS ARE IN MILLIMETER

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated: 26-04-2003

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	2	Thimble Eye Anchor Rod With Turn Buckle, 19mm Diameter, 2.50 Meter Long	20-SDMS-02	Fig. 22
02	2	Steel Plate, H.D.G. 450x450x10mm with 22mm Hole	20-SDMS-02	Fig. 23
03	2	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	4	Preformed Guy Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 200mm	20-SDMS-02	Fig. 10
06	1	Pole Band (Stay Clamp) of A/F 240mm	20-SDMS-02	Fig. 10
07	2	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC14D		

DRW.315A-OC14D, M.V.-D.C. ONE SET OF TWO STAYS ASSEMBLY W/19MM DIA. TURN BUCKLE ANCHOR ROD FOR LIGHT ANGLE (6°-15°) STRUCTURE

SOIL TYPE	DIMENSIONS (MM)			
	W	C	D	X
ROCKY	1400	800	1400	6.7 – 10.3
MEDIUM	1500	900	1500	
LOOSE	1600	1000	1600	

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°–45° STAY ANGLE

DRW.316-OC15S/D, M.V.-D.C. ONE SET OF TWO STAYS ASSEMBLY W/19MM DIA. TURN BUCKLE ANCHOR ROD FOR LIGHT ANGLE (1°–15°) STRUCTURE

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	2	Thimble Eye Anchor Rod With Turn Buckle, 19mm Diameter, 2.50 Meter Long	20-SDMS-02	Fig. 22
02	2	Steel Plate, H.D.G. 450x450x10mm with 22mm Hole	20-SDMS-02	Fig. 23
03	2	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	4	Preformed Guy Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	2	Pole Band (Stay Clamp) of A/F 200mm	20-SDMS-02	Fig. 10
06	2	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC15S/D		

DRW.316A-OC15S/D, M.V.-D.C. ONE SET OF TWO STAYS ASSEMBLY W/19MM DIA. TURN BUCKLE ANCHOR ROD FOR LIGHT ANGLE (1°-15°) STRUCTURE

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

SOIL TYPE	DIMENSIONS (MM)				
	W	C	D	X1	X2
ROCKY	1400	800	1400	6.0 - 9.3	7.6 - 11.7
MEDIUM	1500	900	1500		
LOOSE	1600	1000	1600		

Stay Wire

250

100

2650

100

OC14D

Stay Wire (UTS=101kN)

OCTAGONAL D.C. STEEL POLE

X2 (See TAble Above) X1

G.L.

1500

BACK FILLING

CONCRETE (M20)

C

W

D

30°-45°

30°-45°

X2

X1

STAY FOUNDATION FOR MAP & HAP STRUC.

X2

X1

STAY FOUNDATION FOR TER STRUCTURE

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH)
3. DIMENSIONS ARE BASED ON RANGE OF 33°-45° STAY ANGLE

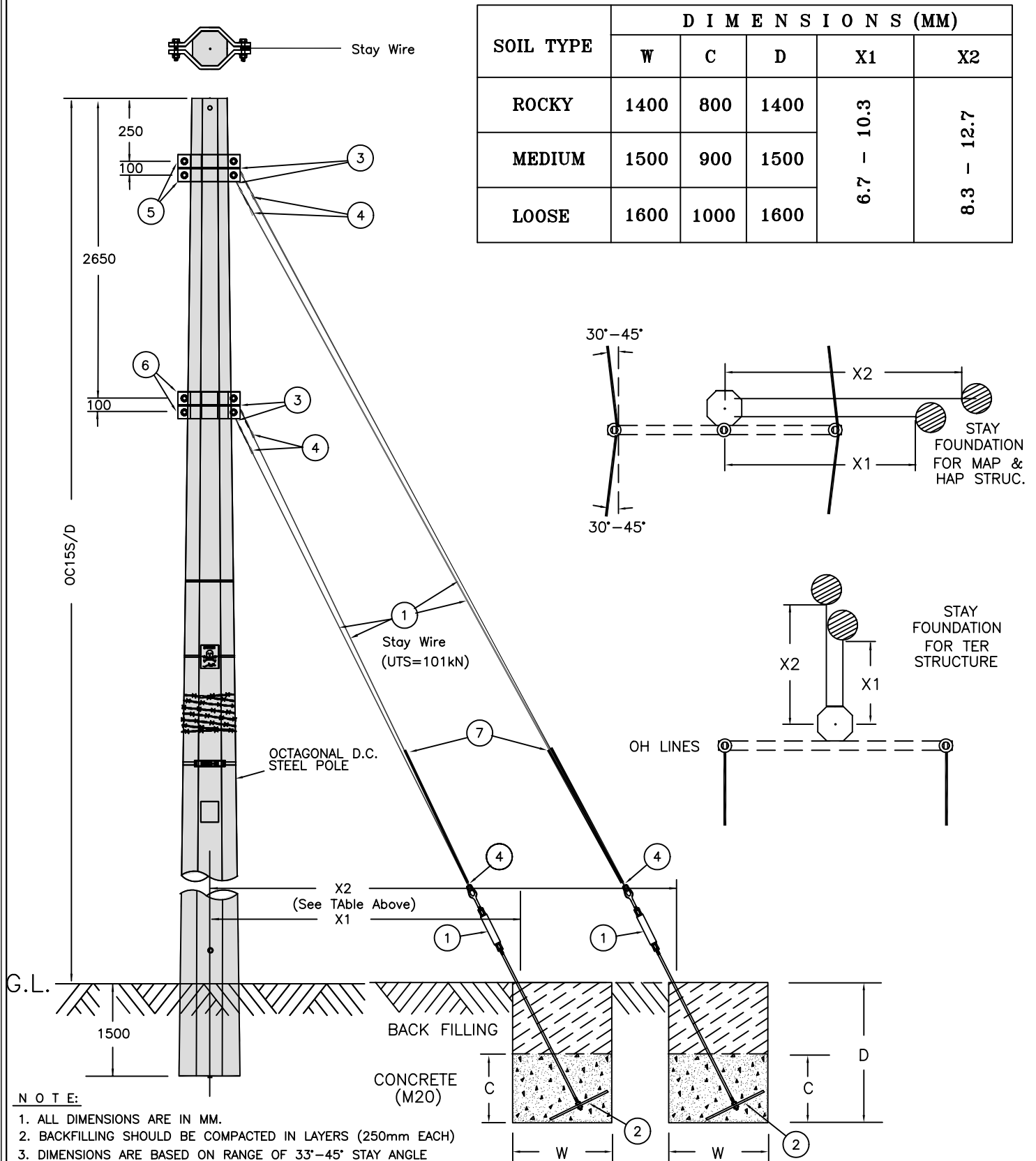
DRW.317-OC14D, TWO SET OF TWO STAYS ASSEMBLY WITH 24MM DIA. TURN BUCKLE ANCHOR ROD FOR MEDIUM, HEAVY & TERMINAL STRUCTURE

ALL DIMENSIONS ARE IN MILLIMETER

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	2	Twin Eye Anchor Rod With Turn Buckle 24mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	2	Steel Plate, H.D.G. 450x450x10mm with 26mm Hole	20-SDMS-02	Fig. 23
03	4	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	8	Preformed Guy Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	2	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	2	Pole Band (Stay Clamp) of A/F 240mm	20-SDMS-02	Fig. 10
07	2	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC14D		

DRW.317A-OC14D,M.V.-D.C. TWO SET OF TWO STAYS ASSEMBLY W/24MM DIA. TURN BUCKLE ANCHOR ROD FOR MEDIUM, HEAVY & TERMINAL STRUCTURE

SOIL TYPE	DIMENSIONS (MM) W	C	D	X1	X2
ROCKY	1400	800	1400	6.7 - 10.3	8.3 - 12.7
MEDIUM	1500	900	1500		
LOOSE	1600	1000	1600		

N O T E:
1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH)
3. DIMENSIONS ARE BASED ON RANGE OF 33°–45° STAY ANGLE

DRW.318–OC15S/D, TWO SET OF TWO STAYS ASSEMBLY WITH 24MM DIA. TURN BUCKLE ANCHOR ROD FOR MEDIUM, HEAVY & TERMINAL STRUCTURE

ALL DIMENSIONS ARE IN MILLIMETER

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	2	Twin Eye Anchor Rod With Turn Buckle 24mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	2	Steel Plate, H.D.G. 450x450x10mm with 26mm Hole	20-SDMS-02	Fig. 23
03	4	Guy Thimble for Guy Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	8	Preformed Guy Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	2	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	2	Pole Band (Stay Clamp) of A/F 200mm	20-SDMS-02	Fig. 10
07	2	Guy Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC15S/D		

DRW.318A-OC15S/D,M.V.-D.C. TWO SET OF TWO STAYS ASSEMBLY W/24MM DIA. TURN BUCKLE ANCHOR ROD FOR MEDIUM, HEAVY & TERMINAL STRUCTURE

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)				
	W	C	D	X1	X2
ROCKY	1100	600	1100	6.1 – 9.4	7.6 – 11.8
MEDIUM	1200	700	1200		
LOOSE	1300	800	1300		

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°–45° STAY ANGLE

DRW.319-OC14D, M.V.-D.C SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	4	Thimble Eye Anchor Rod With Turn Buckle, 19mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	4	Steel Plate, H.D.G. 450x450x10mm with 22mm Hole	20-SDMS-02	Fig. 23
03	4	Guy Thimble for Stay Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	8	Preformed Stay Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	1	Pole Band (Stay Clamp) of A/F 240mm	20-SDMS-02	Fig. 10
07	4	Stay Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC14D		

DRW.319A-OC14D, M.V.-D.C. SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD

FOUNDATION DETAILS

SOIL TYPE	DIMENSIONS (MM)				
	W	C	D	X1	X2
ROCKY	1100	600	1100	6.7 - 10.4	8.3 - 12.8
MEDIUM	1200	700	1200		
LOOSE	1300	800	1300		

NOTE:

1. ALL DIMENSIONS ARE IN MM.
2. BACKFILLING SHOULD BE COMPACTED IN LAYERS (250mm EACH).
3. DIMENSIONS ARE BASED ON RANGE OF 33°–45° STAY ANGLE

DRW.320-OC15S/D, M.V.-D.C SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD & FOUNDATION DETAILS

Saudi Electricity Company الشركة السعودية للكهرباء

SEC DISTRIBUTION CONSTRUCTION STANDARDS

SDCS-01

Dated:

SERIAL NO.	QTY	BILLS OF MATERIALS DESCRIPTION	REFERENCES	
01	4	Thimble Eye Anchor Rod With Turn Buckle, 19mm Dia. 2.50 Meter Long	20-SDMS-02	Fig. 22
02	4	Steel Plate, H.D.G. 450x450x10mm with 22mm Hole	20-SDMS-02	Fig. 23
03	4	Guy Thimble for Stay Wire 9.8/12mm Diameter	20-SDMS-02	Fig. 27
04	8	Preformed Stay Grip for 12mm Dia. Stay Wire, 940mm Lg, 5 # Strands	20-SDMS-02	Fig. 26
05	1	Pole Band (Stay Clamp) of A/F 162mm	20-SDMS-02	Fig. 10
06	1	Pole Band (Stay Clamp) of A/F 200mm	20-SDMS-02	Fig. 10
07	4	Stay Wire Guard, Yellow, 2.44 Meter Long (Optional)	20-SDMS-02	Fig. 28
		OC15S/D		

DRW.320A-OC15S/D, M.V.-D.C. SECTION STAY ASSEMBLY WITH 19MM DIAMETER TURN BUCKLE ANCHOR ROD